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PHOTOGRAPHIC INTERPRETATION REPORT

EDD _____
PH. *RF* _____
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KB. *B* _____
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AF. _____
NM. _____
DJ. *CA* _____



BLACK SHIELD MISSION BX6708

13 JULY 1967

NPIC/R-132/67

JULY 1967

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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W A R N I N G

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

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BLACK SHIELD MSN BX6708, 13 JUL 1967

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R-132/67

BLACK SHIELD MSN BX6708, 13 JUL 1967

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS ON BLACK SHIELD MISSION BX6708, 13 JULY 1967.

THE HEADER LINE FOR EACH TARGET, READING FROM LEFT TO RIGHT, CONTAINS THE TARGET NAME, COUNTRY CODE, GEOGRAPHIC COORDINATES, AND COMOR NUMBER.

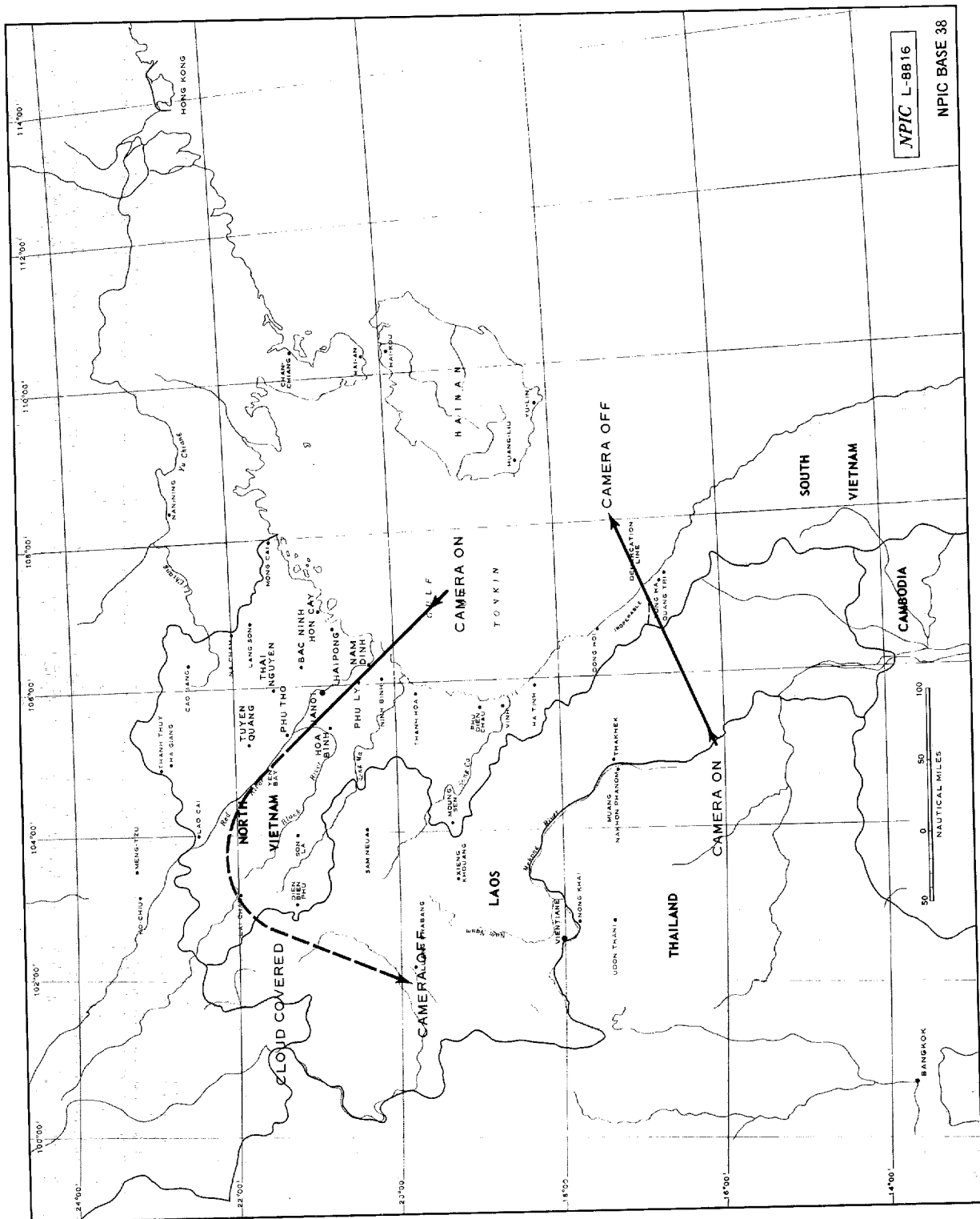
PHOTO REFERENCE DATA INCLUDES FRAME NUMBERS AND SYMBOLS DENOTING LIMITING CONDITIONS, PHOTO INTERPRETABILITY, TARGET COVERAGE AND MODE.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), GC (GROUND COVER), CF (CAMOUFLAGE), O (OBLIQUITY), AND GR (GROUND RESOLUTION).

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS SIGNIFIED BY ST (STEREO), NS (NONSTEREO), OR PS (PARTIAL STEREO).

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APPROXIMATE TRACK OF BLACK SHIELD MISSION BX6708, 13 JULY 1967.

Highlights

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BLACK SHIELD MSN BX6708, 13 JUL 1967

HIGHLIGHTS

NO EVIDENCE OF OFFENSIVE SURFACE-TO-SURFACE MISSILE EQUIPMENT OR FACILITIES.

A TOTAL OF 71 SA-2 SITES ARE IDENTIFIED. OF THE 71, 5 ARE OCCUPIED, 54 ARE UNOCCUPIED (1 OF WHICH IS NEWLY IDENTIFIED), 10 ARE IDENTIFICATION ONLY, AND 2 SITES WERE DELETED. FOUR MAJOR AIRFIELDS WERE COVERED PROVIDING ORDER OF BATTLE INFORMATION.

HA NOI IS IMAGED ON FAIR QUALITY, OBLIQUE PHOTOGRAPHY. HAI PHONG IS NOT COVERED.

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Missiles

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BLACK SHIELD MSN BX6708, 13 JUL 1967

MISSILES

25X1A

HA NOI SAM SEARCH

VN 2102N 10551E

NO NEW SAM ACTIVITY OBSERVED.

25X1D

HA NOI SAM SITE A10-2 (14)

VN 2101N 10558E

IDENTIFICATION ONLY.

25X1D

HA NOI SAM SITE A19-2 (15)

VN 2055N 10550E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE A29-2 (4)

VN 2104N 10541E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE B04-2 (5)

VN 2111N 10559E

25X1D SITE IS UNOCCUPIED.

HA NOI SAM SITE B12-2 (3)

VN 2056N 10604E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE B25-2 (11)

VN 2054N 10536E

SITE IS UNOCCUPIED.

25X1D

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BLACK SHIELD MSN BX6708, 13 JUL 1967

25X1A

HA NOI SAM SITE B29-2 (17)

VN 2104N 10539E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE B30-2 (16)

VN 2106N 10539E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE C29-2 (6)

VN 2110N 10522E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE C30-2 (7)

VN 2113N 10521E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE D19-2 (12)

VN 2023N 10547E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE B17-2 (1)

VN 2047N 10554E

SITE CONSISTS OF 6 OCCUPIED REVETTED LAUNCH POSITIONS, AN OCCUPIED GUIDANCE AREA, AN OCCUPIED REVETTED ACQUISITION RADAR POSITION, AND 3 REVETTED MISSILE-HOLD POSITIONS (1 OCCUPIED, 1 POSSIBLY OCCUPIED, AND 1 UNOCCUPIED).

DB -- 6 LAUNCHERS WITH MISSILES, 1 MISSILE ON TRANSPORTER, A FAN SONG RADAR WITH 6 VANS, AND AN ACQUISITION RADAR.

25X1D

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25X1A

HA NOI SAM SITE B21-2 (2)

VN 2051N 10545E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE C28-2 (13)

VN 2105N 10529E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE D31-2 (8)

VN 2121N 10522E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE A11-2 (9)

VN 2100N 10555E

IDENTIFICATION ONLY.

25X1D

HA NOI SAM SITE A24-2 (19)

VN 2056N 10543E

SITE CONSISTS OF 6 OCCUPIED REVETTED LAUNCH POSITIONS, AN OCCUPIED REVETTED GUIDANCE AREA, AN OCCUPIED ACQUISITION RADAR POSITION, AND 3 UNOCCUPIED REVETTED MISSILE-HOLD POSITIONS.

OB -- 6 LAUNCHERS WITH MISSILES, A GUIDANCE RADAR WITH AT LEAST 5 VANS, AND AN ACQUISITION RADAR.

25X1D

HA NOI SAM SITE D31A-2 (28)

VN 2124N 10517E

SITE IS UNOCCUPIED.

25X1D

25X1A

SECRET

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25X1A

HA NOI SAM SITE D16-2 (24)

VN 2034N 10607E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE D31B-2 (29)

VN 2123N 10520E

SITE IS UNOCCUPIED.

25X1D

YEN BAI SAM SITE C14-2 (122)

VN 2128N 10509E

SITE HAS BEEN RETURNED TO AGRICULTURE AND WILL NO
LONGER BE REPORTED BY NPIC.

25X1D

YEN BAI SAM SITE B12-2 (116)

VN 2136N 10507E

SITE IS UNOCCUPIED.

25X1D

YEN BAI SAM SITE B11-2 (194)

VN 2146N 10513E

IDENTIFICATION ONLY.

25X1D

YEN BAI SAM SITE C07-2 (202)

VN 2144N 10515E

IDENTIFICATION ONLY.

25X1D

YEN BAI SAM SITE C09-2 (206)

VN 2144N 10518E

IDENTIFICATION ONLY.

25X1D

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BLACK SHIELD MSN BX6708, 13 JUL 1967

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25X1A

YEN BAI SAM SITE C17-2 (208)

VN 2123N 10517E

SITE IS UNOCCUPIED.

25X1D

THANH HOA SAM SITE C02-2 (23)

VN 2009N 10554E

IDENTIFICATION ONLY.

25X1D

THANH HOA SAM SITE D04-2 (42)

VN 2016N 10606E

SITE IS UNOCCUPIED.

25X1D

THANH HOA SAM SITE C03-2 (46)

VN 2013N 10559E

SITE IS UNOCCUPIED.

25X1D

THANH HOA SAM SITE C02A-2 (65)

VN 2010N 10553E

SITE IS UNOCCUPIED.

25X1D

THANH HOA SAM SITE C04-2 (68)

VN 2011N 10604E

SITE IS UNOCCUPIED.

25X1D

THANH HOA SAM SITE D02-2 (69)

VN 2025N 10601E

SITE IS UNOCCUPIED.

25X1D

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25X1A

THANH HOA SAM SITE C01-2 (77)

VN 2013N 10551E

SITE IS UNOCCUPIED.

25X1D

THANH HOA SAM SITE D03-2 (79)

VN 2021N 10604E

SITE IS UNOCCUPIED.

25X1D

THANH HOA SAM SITE D03A-2 (80)

VN 2021N 10600E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE B30A-2 (43)

VN 2108N 10535E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE C30A-2 (44)

VN 2112N 10521E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE A17A-2 (45)

VN 2052N 10554E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE C30C-2 (51)

VN 2114N 10523E

SITE IS UNOCCUPIED.

25X1D

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25X1A

HA NOI SAM SITE B33-2 (64)

VN 2110N 10544E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE C13-2 (81)

VN 2045N 10613E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE C30D-2 (92)

VN 2112N 10530E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE C30E-2 (114)

VN 2111N 10521E

SITE IS UNOCCUPIED.

25X1D

HOA BINH SAM SITE B17-2 (170)

VN 2030N 10525E

IDENTIFICATION ONLY.

25X1D

HAI PHONG SAM SITE D22-2 (152)

VN 2024N 10624E

SITE IS UNOCCUPIED.

25X1D

HAI PHONG SAM SITE C21-2 (157)

VN 2024N 10630E

IDENTIFICATION ONLY.

25X1D

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BLACK SHIELD MSN BX6708, 13 JUL 1967

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25X1A

HAI PHONG SAM SITE D23-2 (174)

VN 2028N 10614E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE C33-2 (120)

VN 2118N 10537E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE A01-2 (133)

VN 2107N 10552E

IDENTIFICATION ONLY.

25X1D

HA NOI SAM SITE A14-2 (142)

VN 2056N 10558E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE C32-2 (143)

VN 2119N 10531E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE B32-2 (146)

VN 2115N 10535E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE C17-2 (147)

VN 2036N 10601E

SITE IS UNOCCUPIED.

25X1D

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25X1A

HA NOI SAM SITE A31-2 (159)

VN 2104N 10546E

SITE CONSISTS OF 6 POSSIBLY OCCUPIED REVETTED LAUNCH POSITIONS, AN OCCUPIED CENTRAL GUIDANCE AREA, AND AN OCCUPIED ACQUISITION RADAR POSITION.

OB -- 6 POSSIBLE LAUNCHERS AND MISSILES, A GUIDANCE RADAR WITH AT LEAST 4 VANS, AND AN ACQUISITION RADAR.

25X1D

HA NOI SAM SITE C17A-2 (161)

VN 2037N 10557E

SITE CONSISTS OF 5 OCCUPIED REVETTED LAUNCH POSITIONS, 1 UNOCCUPIED REVETTED LAUNCH POSITION, A REVETTED GUIDANCE AREA (PROBABLY OCCUPIED), AND AN OCCUPIED ACQUISITION RADAR POSITION.

OB -- 5 LAUNCHERS WITH MISSILES, A PROBABLE FAN SONG RADAR WITH AT LEAST 4 VANS, AND AN ACQUISITION RADAR.

25X1D

HA NOI SAM SITE E22-2 (164)

VN 2026N 10529E

IDENTIFICATION ONLY.

25X1D

HA NOI SAM SITE C17B-2 (165)

VN 2033N 10600E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE C16-2 (166)

VN 2041N 10605E

SITE IS UNOCCUPIED.

25X1D

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25X1A

HA NOI SAM SITE A05-2 (158)

VN 2108N 10558E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE D31C-2 (131)

VN 2124N 10517E

SITE IS UNOCCUPIED.

25X1D

THANH HOA SAM SITE C04B-2 (172)

VN 2008N 10602E

SITE HAS BEEN RETURNED TO CULTIVATION AND WILL NO LONGER BE REPORTED BY NPIC.

25X1D

THANH HOA SAM SITE C01A-2 (163)

VN 2014N 10548E

SITE IS UNOCCUPIED.

25X1D

THANH HOA SAM SITE C04A-2 (155)

VN 2009N 10600E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE B27-2 (180)

VN 2059N 10533E

SITE IS UNOCCUPIED. AT LEAST 8 BOMB CRATERS OBSERVED WITHIN THE SITE.

25X1D

HA NOI SAM SITE B13-2 (184)

VN 2050N 10605E

SITE IS UNOCCUPIED.

25X1D

SECRET

25X1A

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HA NOI SAM SITE B28-2 (189)

VN 2101N 10532E

SITE CONSISTS OF 4 OCCUPIED UNREVIEWED LAUNCH POSITIONS
AND AN OCCUPIED UNREVIEWED GUIDANCE AREA.

OB -- 4 LAUNCHERS WITH MISSILES AND A GUIDANCE RADAR
WITH 4 VANS.

25X1D

VINH LINH SAM SITE A25-2 (177)

VN 1701N 10655E

SITE IS UNOCCUPIED.

25X1D

VINH LINH SAM SITE A26-2 (187)

VN 1701N 10654E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE (211)

VN 2108N 10527E NO COMOR

SITE IS UNOCCUPIED.

25X1D

HOA BINH SAM SITE (212) (NEW)

VN 2052N 10533E NO COMOR

12.2 NM ENE OF HOA BINH.
NEWLY IDENTIFIED SITE CONSISTS OF 3 UNOCCUPIED
UNREVIEWED LAUNCH POSITIONS AND AN UNOCCUPIED
UNREVIEWED GUIDANCE AREA.

OB -- NONE OBSERVED.

25X1D

HOA BINH SAM SITE (210)

VN 2053N 10523E NO COMOR

SITE IS UNOCCUPIED.

25X1D

**Air
Facilities**

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AIR FACILITIES

25X1A

HANOI/BAC MAI AIRFIELD

VN 2059N 10550E

OB -- 1 DERELICT AIRCRAFT IN HANGAR.

25X1D

HANOI/GIA LAM AIRFIELD

VN 2102N 10553E

OB -- 6 FAGOT/FRESCO, 3 POSSIBLE FAGOT/FRESCO, 1 PROBABLE COKE, 1 CRATE, 1 CAB (WITHOUT WINGS), 3 COLT, 1 HOOK, 1 HOUND, AND 1 POSSIBLE AIRCRAFT.

25X1D

PHUC YEN AIRFIELD

VN 2113N 10548E

OB -- 2 POSSIBLE FISHBED.

25X1D

YEN BAI AIRFIELD

VN 2143N 10451E

NO APPARENT CHANGE IN CLOUD-FREE AREAS SINCE MISSION

25X1D

25X1D

HOA LAC AIRFIELD

VN 2101N 10530E

OB -- 2 FAGOT/FRESCO AND 2 DUMMY/DECOY AIRCRAFT.

25X1D

THO KHOI HELICOPTER DISPERSAL AREA

VN 2100N 10554E

NO COMOR

OB -- 2 HOOK.

25X1D

16
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BLACK SHIELD MSN BX6708, 13 JUL 1967

HA NOI HELICOPTER DISPERSAL AREA

VN 2105N 10549E NO COMOR

OB -- 3 HOOK.

25X1D



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**Military
Activity**

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BLACK SHIELD MSN BX6708, 13 JUL 1967

MILITARY ACTIVITY

25X1A

HA NOI/LAO CAI RR SEGMENT 2

VN 2200N 10433E

ENTIRE SEGMENT COVERED. FOLLOWING ACTIVITY OBSERVED IN CLOUD-FREE AREAS -- RAIL BY-PASS UNDER CONSTRUCTION AT 21-54-45N 104-36-08E, SERVICEABLE RAIL BY-PASS AND ORIGINAL RAILROAD BRIDGE UNSERVICEABLE AT 21-57-50N 104-36-08E, RAIL BY-PASS AT 22-04-30N 104-28-20E, 1 LOCOMOTIVE AND 18 PIECES OF ROLLING STOCK AT 22-08-30N 104-23-32E, RAIL BY-PASS UNDER CONSTRUCTION AT 22-08-35N 104-32-20E.

25X1D

25X1A

HA NOI/LAO CAI RR SEGMENT 1

VN 2220N 10410E

SOUTH 5 PERCENT OF SEGMENT COVERED. NO ACTIVITY OBSERVED.

25X1D

25X1A

HA NOI/LAO CAI RR SEGMENT 3

VN 2140N 10456E

ENTIRE SEGMENT IS COVERED. FOLLOWING ACTIVITY OBSERVED IN CLOUD-FREE AREAS -- 4 PIECES OF ROLLING STOCK AND RAIL INTERDICTION AT 21-33-30N 105-00-30E, RAIL BY-PASS UNDER CONSTRUCTION AT 21-34-10N 105-00-08E, RAIL BY-PASS UNDER CONSTRUCTION AT 21-40-20N 104-56-12E, 14 PIECES OF ROLLING STOCK AND RAIL INTERDICTIONS AT YEN BAI RAILROAD YARD AT 21-42-00N 104-53-00E, RAIL BY-PASS AT 21-59-05N 104-45-45E.

14
8
22
60
82

25X1D

25X1A

HA NOI/LAO CAI RR SEGMENT 4

VN 2120N 10520E

ENTIRE SEGMENT COVERED. ROUTE IS UNSERVICEABLE. APPROXIMATELY 60 PIECES OF ROLLING STOCK OBSERVED.

25X1D

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25X1A

HA NOI/LAO CAI RR SEGMENT 5

VN 2110N 10548E

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25X10

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25X1A

HA NOI/LAO CAI RR SEGMENT 5

VN 2110N 10548E

IDENTIFICATION ONLY.

25X1D

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Complexes

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COMPLEXES

25X1A

TUYEN QUANG COMPLEX

VN 2148N 10512E

NO APPARENT CHANGE IN CLOUD-FREE AREAS SINCE MISSION

25X1D

YEN BAI COMPLEX

VN 2141N 10452E

COMPLEX HAS BEEN RAZED WITH MAJORITY OF STRUCTURES
DISMANTLED AND THE REMAINDER DESTROYED OR DAMAGED. NO
SIGNIFICANT ACTIVITY OBSERVED WITHIN COMPLEX.
APPROXIMATELY 14 PIECES OF ROLLING STOCK OBSERVED IN
RAILROAD YARD.

25X1D

VIET TRI RAILROAD YARD

VN 2118N 10526E

RAILYARD APPEARS TO BE UNSERVICEABLE. YARD HAS BEEN
SUBJECTED TO AIR STRIKES AND HAS NUMEROUS BOMB CRATERS.
AT LEAST 20 PIECES OF ROLLING STOCK (7 DERAILED AND
OVERTURNED) OBSERVED IN YARD.

25X1D

YEN VIEN RR CLASSIFICATION YARD

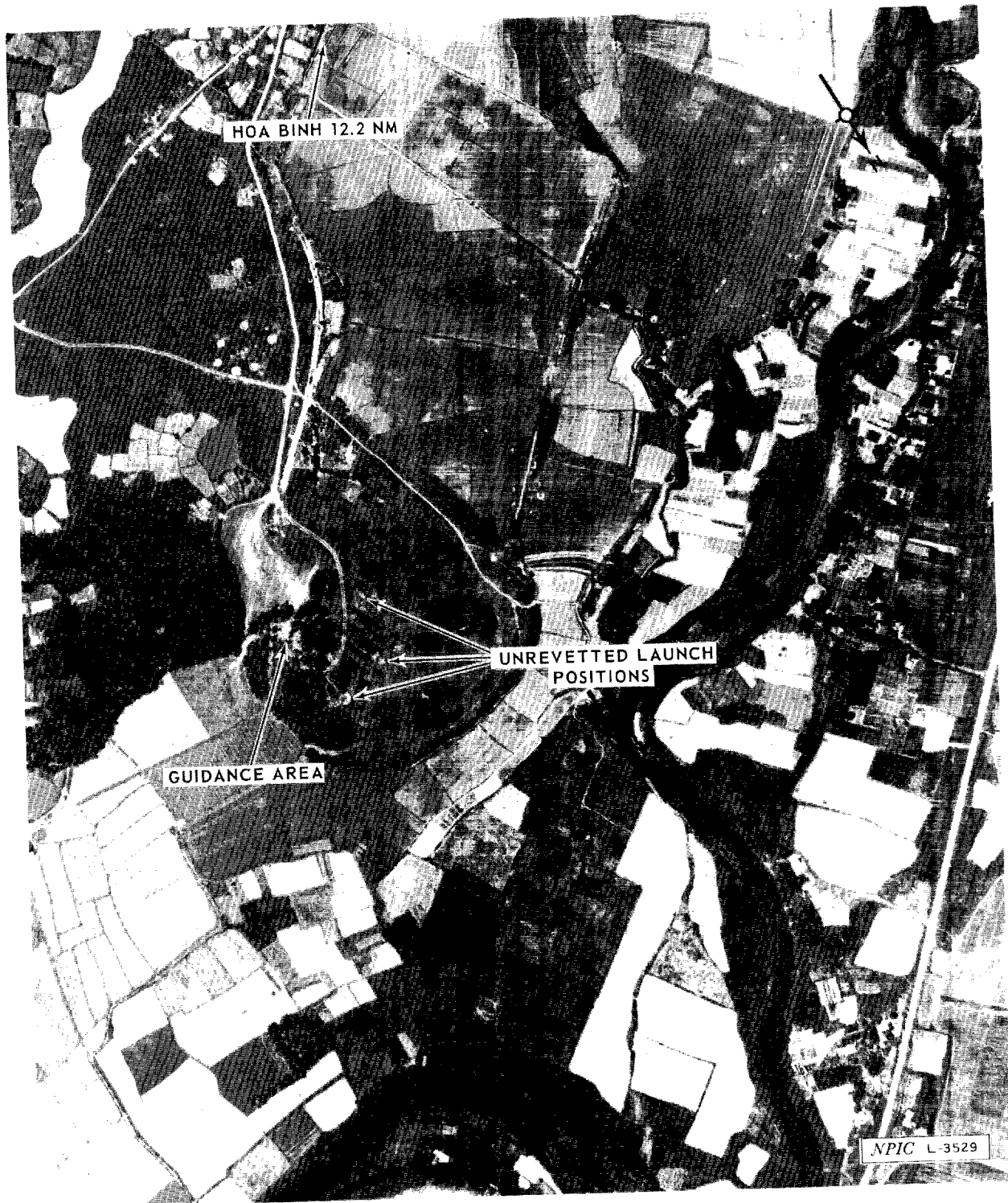
VN 2105N 10555E

IDENTIFICATION ONLY.

25X1D

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SECRET

Attachments

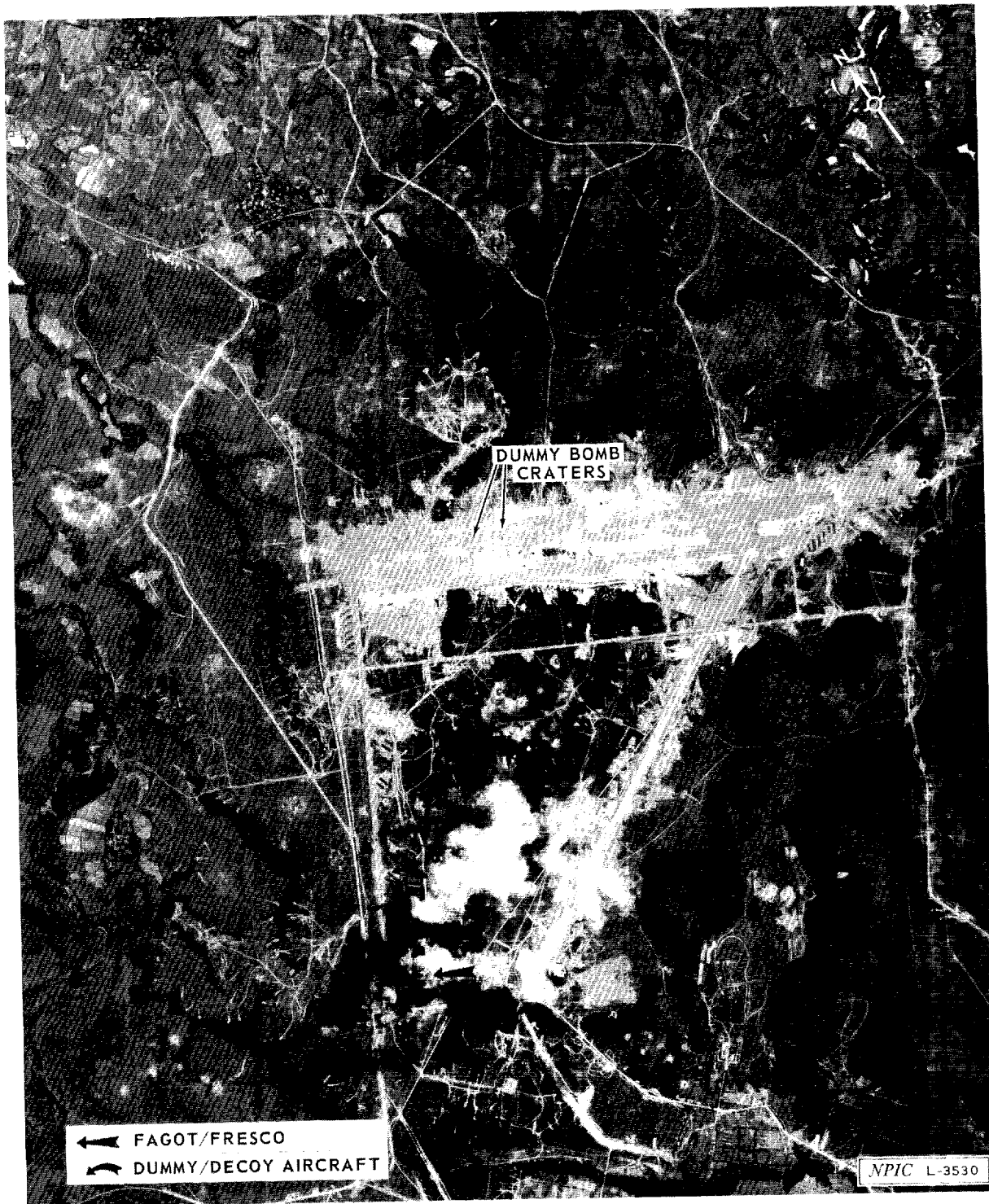


HOA BINH SAM SITE (212), HOA BINH, NORTH VIETNAM.

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NPIC/R-132/67



HOA LAC AIRFIELD, HOA LAC, NORTH VIETNAM.

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